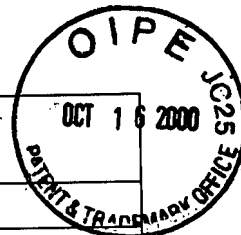


Date Mailed: October 10, 2000

Sheet 1 of 20



FORM 1449*

INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

12008.20USC1

Application Number:

09/613,604

Applicant: SAY ET AL.

Filing Date: 07/10/2000

Group Art Unit: 3736

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------------|-------------------|-------|----------|-------------------------------|
| NA | 3,260,656 | 07/12/1966 | Ross, Jr. | | | |
| | 3,653,841 | 04/04/1972 | Klein | | | |
| | 3,719,564 | 03/06/1973 | Lilly, Jr. et al. | | | |
| | 3,776,832 | 12/04/1973 | Oswin et al. | | | |
| | 3,837,339 | 09/24/1974 | Aisenberg et al. | | | |
| | 3,926,760 | 12/16/1975 | Allen et al. | | | |
| | 3,972,320 | 08/03/1976 | Kalman | | | |
| | 3,979,274 | 09/07/1976 | Newman | | | |
| | 4,008,717 | 02/22/1977 | Kowarski | | | |
| | 4,016,866 | 04/12/1977 | Lawton | | | |
| | 4,055,175 | 10/25/1977 | Clemens et al. | | | |
| | 4,059,406 | 11/22/1977 | Fleet | | | |
| | 4,076,596 | 02/28/1978 | Connery et al. | | | |
| | 4,098,574 | 07/04/1978 | Dappen | | | |
| | 4,100,048 | 07/11/1978 | Pompei et al. | | | |
| | 4,151,845 | 05/01/1979 | Clemens | | | |
| | 4,168,205 | 09/18/1979 | Danninger et al. | | | |
| | 4,172,770 | 10/30/1979 | Semersky et al. | | | |
| | 4,178,916 | 12/18/1979 | McNamara | | | |
| | 4,206,755 | 06/10/1980 | Klein | | | |
| | 4,224,125 | 09/23/1980 | Nakamura et al. | | | |
| | 4,240,438 | 12/23/1980 | Updike et al. | | | |
| | 4,247,297 | 01/27/1981 | Berti et al. | | | |
| | 4,340,458 | 07/20/1982 | Lerner et al. | | | |
| | 4,352,960 | 10/05/1982 | Dormer et al. | | | |
| | 4,356,074 | 10/26/1982 | Johnson | | | |
| | 4,365,637 | 12/28/1982 | Johnson | | | |
| NN | 4,366,033 | 12/28/1982 | Richter et al. | | | |

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OCT 17 2000
TSC/CO MAIL ROOM

EXAMINER

DATE CONSIDERED

12/12/01

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FORM 1449*

INFORMATION DISCLOSURE STATEMENT

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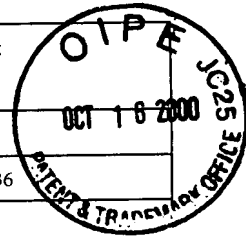
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Docket Number:
12008.20USC1Application Number:
09/613,604

Applicant: SAY ET AL.

Filing Date: 07/10/2000

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------------|-----------------|-------|----------|-------------------------------|
| W | 4,375,399 | 03/01/1983 | Havas et al. | | | |
| | 4,384,586 | 05/24/1983 | Christiansen | | | |
| | 4,390,621 | 06/28/1983 | Bauer | | | |
| | 4,401,122 | 08/30/1983 | Clark, Jr. | | | |
| | 4,404,066 | 09/13/1983 | Johnson | | | |
| | 4,418,148 | 11/29/1983 | Oberhardt | | | |
| | 4,427,770 | 01/24/1984 | Chen et al. | | | |
| | 4,431,004 | 02/14/1984 | Bessman et al. | | | |
| | 4,436,094 | 03/13/1984 | Cerami | | | |
| | 4,440,175 | 04/03/1984 | Wilkins | | | |
| | 4,450,842 | 05/29/1984 | Zick et al. | | | |
| | 4,458,686 | 07/10/1984 | Clark, Jr. | | | |
| | 4,461,691 | 07/24/1984 | Frank | | | |
| | 4,469,110 | 09/04/1984 | Slama | | | |
| | 4,477,314 | 10/16/1984 | Richter et al. | | | |
| | 4,484,987 | 11/27/1984 | Gough | | | |
| | 4,522,690 | 06/11/1985 | Venkatesetty | | | |
| | 4,524,114 | 06/18/1985 | Samuels et al. | | | |
| | 4,526,661 | 07/02/1985 | Steckhan et al. | | | |
| | 4,534,356 | 08/13/1985 | Papadakis | | | |
| | 4,538,616 | 09/03/1985 | Rogoff | | | |
| | 4,543,955 | 10/01/1985 | Schroeppel | | | |
| | 4,545,382 | 10/08/1985 | Higgins et al. | | | |
| | 4,552,840 | 11/12/1985 | Riffer | | | |
| | 4,560,534 | 12/24/1985 | Kung et al. | | | |
| | 4,571,292 | 02/18/1986 | Liu et al. | | | |
| | 4,573,994 | 03/04/1986 | Fischell et al. | | | |
| M | 4,581,336 | 04/08/1986 | Malloy et al. | | | |

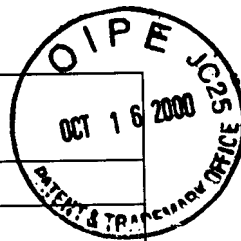
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FORM 1449*

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Filing Date: 07/10/2000

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------------|-----------------|-------|----------|-------------------------------|
| MN | 4,595,011 | 06/17/1986 | Phillips | | | |
| | 4,619,754 | 10/28/1986 | Niki et al. | | | |
| | 4,627,445 | 12/09/1986 | Garcia et al. | | | |
| | 4,627,908 | 12/09/1986 | Miller | | | |
| | 4,633,878 | 01/06/1987 | Bombardieri | | | |
| | 4,637,403 | 01/20/1987 | Garcia et al. | | | |
| | 4,650,547 | 03/17/1987 | Gough | | | |
| | 4,654,197 | 03/31/1987 | Lilja et al. | | | |
| | 4,655,880 | 04/07/1987 | Liu | | | |
| | 4,655,885 | 04/07/1987 | Hill et al. | | | |
| | 4,671,288 | 06/09/1987 | Gough | | | |
| | 4,679,562 | 07/14/1987 | Luksha | | | |
| | 4,680,268 | 07/14/1987 | Clark, Jr. | | | |
| | 4,682,602 | 07/28/1987 | Prohaska | | | |
| | 4,684,537 | 08/04/1987 | Graetzel et al. | | | |
| | 4,685,463 | 08/11/1987 | Williams | | | |
| | 4,703,756 | 11/03/1987 | Gough et al. | | | |
| | 4,711,245 | 12/08/1987 | Higgins et al. | | | |
| | 4,717,673 | 01/05/1988 | Wrighton et al. | | | |
| | 4,721,601 | 01/26/1988 | Wrighton et al. | | | |
| | 4,721,677 | 01/26/1988 | Clark, Jr. | | | |
| | 4,726,378 | 02/23/1988 | Kaplan | | | |
| | 4,726,716 | 02/23/1988 | McGuire | | | |
| | 4,757,022 | 07/12/1988 | Shults et al. | | | |
| | 4,758,323 | 07/19/1988 | Davis et al. | | | |
| | 4,759,371 | 07/26/1988 | Franetzki | | | |
| | 4,759,828 | 07/26/1988 | Young et al. | | | |
| XN | 4,764,416 | 08/16/1988 | Ueyama et al. | | | |

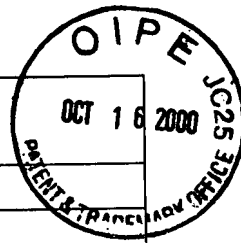
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FORM 1449*

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|--------------|------------|--------------------|-------|----------|----------------------------|
| Adm | 4,776,944 | 10/11/1988 | Janata et al. | | | |
| | 4,781,798 | 11/01/1988 | Gough | | | |
| | 4,784,736 | 11/15/1988 | Lonsdale et al. | | | |
| | 4,795,707 | 01/03/1989 | Niiyama et al. | | | |
| | 4,796,634 | 01/10/1989 | Huntsman et al. | | | |
| | 4,805,624 | 02/21/1989 | Yao et al. | | | |
| | 4,813,424 | 03/21/1989 | Wilkins | | | |
| | 4,815,469 | 03/28/1989 | Cohen et al. | | | |
| | 4,820,399 | 04/11/1989 | Senda et al. | | | |
| | 4,822,337 | 04/18/1989 | Newhouse et al. | | | |
| | 4,830,959 | 05/16/1989 | McNeil et al. | | | |
| | 4,832,797 | 05/23/1989 | Vadgama et al. | | | |
| | Re. 32,947 | 06/13/1989 | Dormer et al. | | | |
| | 4,840,893 | 06/20/1989 | Hill et al. | | | |
| | 4,848,351 | 07/18/1989 | Finch | | | |
| | 4,871,351 | 10/03/1989 | Feingold | | | |
| | 4,871,440 | 10/03/1989 | Nagata et al. | | | |
| | 4,874,500 | 10/17/1989 | Madou et al. | | | |
| | 4,890,620 | 01/02/1990 | Gough | | | |
| | 4,894,137 | 01/16/1990 | Takizawa et al. | | | |
| | 4,897,162 | 01/30/1990 | Lewandowski et al. | | | |
| | 4,897,173 | 01/30/1990 | Nankai et al. | | | |
| | 4,909,908 | 03/20/1990 | Ross et al. | | | |
| | 4,911,794 | 03/27/1990 | Parce et al. | | | |
| | 4,917,800 | 04/17/1990 | Lonsdale et al. | | | |
| | 4,919,141 | 04/24/1990 | Zier et al. | | | |
| | 4,919,767 | 04/24/1990 | Vadgama et al. | | | |
| NN | 4,923,586 | 05/08/1990 | Katayama et al. | | | |

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EXAMINER

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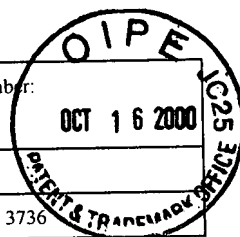
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Applicant: SAY ET AL.

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Group Art Unit: 3736



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------------|------------------|-------|----------|-------------------------------|
| MN | 4,927,516 | 05/22/1990 | Yamaguchi et al. | | | |
| | 4,934,369 | 06/19/1990 | Maxwell | | | |
| | 4,935,105 | 06/19/1990 | Churchouse | | | |
| | 4,935,345 | 06/19/1990 | Guilbeau et al. | | | |
| | 4,938,860 | 07/03/1990 | Wogoman | | | |
| | 4,944,299 | 07/31/1990 | Silvian | | | |
| | 4,950,378 | 08/21/1990 | Nagata | | | |
| | 4,953,552 | 09/04/1990 | DeMarzo | | | |
| | 4,954,129 | 09/04/1990 | Giuliani et al. | | | |
| | 4,969,468 | 11/13/1990 | Byers et al. | | | |
| | 4,970,145 | 11/13/1990 | Bennetto et al. | | | |
| | 4,974,929 | 12/04/1990 | Curry | | | |
| | 4,986,271 | 01/22/1991 | Wilkins | | | |
| | 4,994,167 | 02/19/1991 | Shults et al. | | | |
| | 5,001,054 | 03/19/1991 | Wagner | | | |
| | 5,058,592 | 10/22/1991 | Whisler | | | |
| | 5,070,535 | 12/03/1991 | Hochmair et al. | | | |
| | 5,082,550 | 01/21/1992 | Rishpon et al. | | | |
| | 5,082,786 | 01/21/1992 | Nakamoto | | | |
| | 5,089,112 | 02/18/1992 | Skotheim et al. | | | |
| Y MN | 5,095,904 | 03/17/1992 | Seligman et al. | | | |
| | 5,101,814 | 04/07/1992 | Palti | | | |
| | 5,108,564 | 04/28/1992 | Szuminsky et al. | | | |
| | 5,109,850 | 05/05/1992 | Blanco et al. | | | |
| | 5,120,420 | 06/09/1992 | Nankai et al. | | | |
| | 5,126,034 | 06/30/1992 | Carter et al. | | | |
| | 5,133,856 | 07/28/1992 | Yamaguchi et al. | | | |
| | 5,135,003 | 08/04/1992 | Souma | | | |

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EXAMINER

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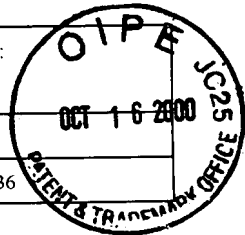
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------------|-----------------|-------|----------|-------------------------------|
| UN | 5,141,868 | 08/25/1992 | Shanks et al. | | | |
| | 5,161,532 | 11/10/1992 | Joseph | | | |
| | 5,165,407 | 11/24/1992 | Wilson et al. | | | |
| | 5,174,291 | 12/29/1992 | Schoonen et al. | | | |
| | 5,190,041 | 03/02/1993 | Palti | | | |
| | 5,192,416 | 03/09/1993 | Wang et al. | | | |
| | 5,198,367 | 03/30/1993 | Aizawa et al. | | | |
| | 5,202,261 | 04/13/1993 | Musho et al. | | | |
| | 5,205,920 | 04/27/1993 | Oyama et al. | | | |
| | 5,208,154 | 05/04/1993 | Weaver et al. | | | |
| | 5,209,229 | 05/11/1993 | Gilli | | | |
| | 5,217,595 | 06/08/1993 | Smith et al. | | | |
| | 5,229,282 | 07/20/1993 | Yoshioka et al. | | | |
| | 5,250,439 | 10/05/1993 | Musho et al. | | | |
| | 5,262,035 | 11/16/1993 | Gregg et al. | | | |
| | 5,262,305 | 11/16/1993 | Heller et al. | | | |
| | 5,264,103 | 11/23/1993 | Yoshioka et al. | | | |
| | 5,264,104 | 11/23/1993 | Gregg et al. | | | |
| | 5,264,106 | 11/23/1993 | McAleer et al. | | | |
| | 5,271,815 | 12/21/1993 | Wong | | | |
| | 5,279,294 | 01/18/1994 | Anderson et al. | | | |
| | 5,286,362 | 02/15/1994 | Hoenes et al. | | | |
| | 5,286,364 | 02/15/1994 | Yacynych et al. | | | |
| | 5,288,636 | 02/22/1994 | Pollmann et al. | | | |
| | 5,293,546 | 03/08/1994 | Tadros et al. | | | |
| | 5,320,098 | 06/14/1994 | Davidson | | | |
| | 5,320,725 | 06/14/1994 | Gregg et al. | | | |
| UN | 5,322,063 | 06/21/1994 | Allen et al. | | | |

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EXAMINER

DATE CONSIDERED

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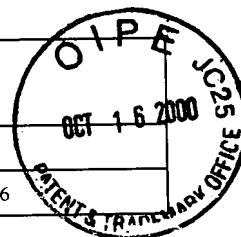
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|--------------|------------|-------------------|-------|----------|----------------------------|
| NP | 5,336,388 | 08/09/1994 | Leader et al. | | | |
| | 5,337,747 | 08/16/1994 | Nefel | | | |
| | 5,352,348 | 10/04/1994 | Young et al. | | | |
| | 5,356,786 | 10/18/1994 | Heller et al. | | | |
| | 5,368,028 | 11/29/1994 | Palti | | | |
| | 5,372,133 | 12/13/1994 | Hogen Esch | | | |
| | 5,376,251 | 12/27/1994 | Kaneko et al. | | | |
| | 5,378,628 | 01/03/1995 | Grätzel et al. | | | |
| | 5,387,327 | 02/07/1995 | Khan | | | |
| | 5,390,671 | 02/21/1995 | Lord et al. | | | |
| | 5,391,250 | 02/21/1995 | Cheney, II et al. | | | |
| | 5,395,504 | 03/07/1995 | Saurer et al. | | | |
| | 5,403,462 | 04/04/1995 | Lev et al. | | | |
| | 5,411,647 | 05/02/1995 | Johnson et al. | | | |
| | 5,437,999 | 08/01/1995 | Diebold et al. | | | |
| | 5,469,846 | 11/28/1995 | Khan | | | |
| | 5,494,562 | 02/27/1996 | Maley et al. | | | |
| | 5,496,453 | 03/05/1996 | Uenoyama et al. | | | |
| | 5,497,772 | 03/12/1996 | Schulman et al. | | | |
| | 5,509,410 | 04/23/1996 | Hill et al. | | | |
| | 5,531,878 | 07/02/1996 | Vadgama et al. | | | |
| | 5,545,191 | 08/13/1996 | Mann et al. | | | |
| | 5,560,357 | 10/01/1996 | Faupel et al. | | | |
| | 5,565,085 | 10/15/1996 | Ikeda et al. | | | |
| | 5,567,302 | 10/22/1996 | Song et al. | | | |
| | 5,568,806 | 10/29/1996 | Cheney, II et al. | | | |
| | 5,569,186 | 10/29/1996 | Lord et al. | | | |
| NP | 5,582,184 | 12/10/1996 | Erickson et al. | | | |

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TC 3700 MAIL ROOM

EXAMINER

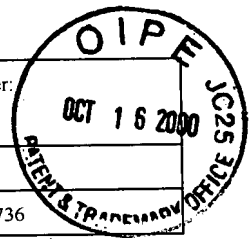
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| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 12008.20USC1 | Application Number: 09/613,604 |
| | Applicant: SAY ET AL. | |
| | Filing Date: 07/10/2000 | Group Art Unit: 3736 |



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------------|--------------------|-------|----------|-------------------------------|
| MW | 5,582,697 | 12/10/1996 | Ikeda et al. | | | |
| | 5,582,698 | 12/10/1996 | Flaherty et al. | | | |
| | 5,586,553 | 12/24/1996 | Halili et al. | | | |
| | 5,589,326 | 12/31/1996 | Deng et al. | | | |
| | 5,593,852 | 01/14/1997 | Heller et al. | | | |
| | 5,596,150 | 01/21/1997 | Arndt et al. | | | |
| | 5,617,851 | 04/08/1997 | Lipkovker | | | |
| | 5,628,890 | 05/13/1997 | Carter et al. | | | |
| | 5,651,869 | 07/29/1997 | Yoshioka et al. | | | |
| | 5,660,163 | 08/26/1997 | Schulman et al. | | | |
| | 5,670,031 | 09/23/1997 | Hintsche et al. | | | |
| | 5,680,858 | 10/28/1997 | Hansen et al. | | | |
| | 5,682,233 | 10/28/1997 | Brinda | | | |
| | 5,695,623 | 12/09/1997 | Michel et al. | | | |
| | 5,708,247 | 01/13/1998 | McAleer et al. | | | |
| | 5,711,861 | 01/27/1998 | Ward et al. | | | |
| | 5,711,862 | 01/27/1998 | Sakoda et al. | | | |
| | 5,727,548 | 03/17/1998 | Hill et al. | | | |
| | 5,741,211 | 04/21/1998 | Renirie et al. | | | |
| | 5,807,375 | 09/15/1998 | Gross et al. | | | |
| | 5,820,551 | 09/13/1998 | Hill et al. | | | |
| | 5,822,715 | 10/13/1998 | Worthington et al. | | | |
| | 5,840,020 | 11/24/1998 | Heinonen et al. | | | |
| | 5,842,983 | 12/01/1998 | Abel et al. | | | |
| | 5,954,685 | 09/21/1999 | Tierney | | | |

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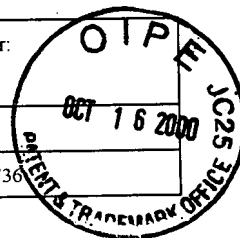
Application Number:

09/613,604

Applicant: SAY ET AL.

Filing Date: 07/10/2000

Group Art Unit: 3736



FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|--------------|------------|--------------------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| nn | 29 03 216 | 08/02/1979 | DE | | | Abstract | |
| | 227 029 A3 | 09/04/1985 | DD (East Germany) | | | Abstract | |
| | 3934299 | 10/25/1990 | DE (Abstract only) | | | | |
| | 0 010 375 A1 | 04/30/1980 | EP | | | X | |
| | 0 026 995 A1 | 04/15/1981 | EP | | | X | |
| | 0 048 090 A2 | 03/24/1982 | EP | | | X | |
| | 0 078 636 A1 | 05/11/1983 | EP | | | X | |
| | 0 096 288 A1 | 12/21/1983 | EP | | | | X |
| | 0 125 139 A2 | 11/14/1984 | EP | | | X | |
| | 0 127 958 A2 | 12/12/1984 | EP | | | X | |
| | 0 136 362 A1 | 04/10/1985 | EP | | | X | |
| | 0 170 375 A2 | 02/05/1986 | EP | | | X | |
| | 0 177 743 A2 | 04/16/1986 | EP (Abstract only) | | | | |
| nn | 0 080 304 B1 | 05/21/1986 | EP | | | X | |

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|---|--------------------------------|-----------------------------------|
| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 12008.20USC1 | Application Number: 09/613,604 |
| | Applicant: SAY ET AL. | |
| | Filing Date: 07/10/2000 | Group Art Unit: 3736 |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------|------------|--------------------|-------|----------|-------------|----|
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | YES | NO |
| <i>MP</i> | 0 184 909 A2 | 06/18/1986 | EP | | | X | |
| | 0 206 218 A2 | 12/30/1986 | EP | | | X | |
| | 0 230 472 A1 | 08/05/1987 | EP | | | X | |
| | 0 241 309 A3 | 10/14/1987 | EP | | | X | |
| | 0 245 073 A2 | 11/11/1987 | EP | | | X | |
| | 0 255 291 B1 | 06/24/1992 | EP | | | X | |
| | 0 278 647 A2 | 08/17/1988 | EP | | | X | |
| | 0 359 831 A1 | 03/28/1990 | EP | | | X | |
| | 0 368 209 A1 | 05/16/1990 | EP | | | X | |
| | 0 390 390 A1 | 10/03/1990 | EP | | | X | |
| | 0 400 918 A1 | 12/05/1990 | EP | | | X | |
| | 0 453 283 A1 | 10/23/1991 | EP | | | X | |
| | 0 470 290 A1 | 02/12/1992 | EP | | | Abstract | |
| | 0 127 958 B2 | 03/11/1992 | EP | | | X | |
| | 1394171 | 05/14/1975 | GB (Abstract only) | | | | |
| | 1599241 A | 09/30/1981 | GB (Abstract only) | | | | |
| | 2 073 891 A | 10/21/1981 | GB | | | X | |
| | 2 154 003 B | 02/17/1988 | GB | | | X | |
| | 2 204 408 A | 11/09/1988 | GB | | | X | |
| | 2 254 436 A | 10/07/1992 | GB | | | X | |
| | 54-41191 | 04/02/1979 | JP (Abstract only) | | | | |
| | 55-10581 | 01/25/1980 | JP | | | Abstract | |
| | 55-10583 | 01/25/1980 | JP | | | Abstract | |
| | 55-10584 | 01/25/1980 | JP | | | Abstract | |
| | 55-12406 | 01/29/1980 | JP | | | Abstract | |
| <i>MP</i> | 56-163447 | 12/16/1981 | JP | | | Abstract | |
| | 57-70448 | 04/30/1982 | JP | | | Abstract | |

| | |
|---|---------------------------------|
| EXAMINER <i>Wm. W. Hatcher</i> | DATE CONSIDERED <i>12/12/01</i> |
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FORM 1449*

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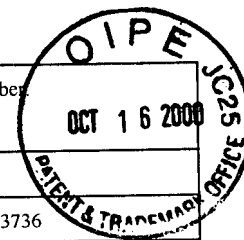
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| MN | 58194748 | 11/12/1983 | JP (Abstract only) | | | | | |
|--------------------------|--------------|------------|--------------------|-------|----------|-------------|----------|--|
| | 60-173457 | 09/06/1985 | JP (Abstract only) | | | | | |
| MN | 60-173458 | 09/06/1985 | JP | | | | Abstract | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | |
| | | | | | | YES | NO | |
| MN | 60-173459 | 09/06/1985 | JP | | | Abstract | | |
| | 61-90050 | 05/08/1986 | JP | | | Abstract | | |
| | 62-85855 | 04/20/1987 | JP | | | Abstract | | |
| | 62-114747 | 05/26/1987 | JP | | | Abstract | | |
| | 63-58149 | 03/12/1988 | JP | | | Abstract | | |
| | 63-128252 | 05/31/1988 | JP | | | Abstract | | |
| | 63-139246 | 06/11/1988 | JP | | | Abstract | | |
| | 63-294799 | 12/01/1988 | JP | | | Abstract | | |
| | 63-317757 | 12/26/1988 | JP | | | Abstract | | |
| | 63-317758 | 12/26/1988 | JP | | | Abstract | | |
| | 1-114746 | 05/08/1989 | JP | | | Abstract | | |
| | 1-114747 | 05/08/1989 | JP | | | Abstract | | |
| | 1-124060 | 05/16/1989 | JP | | | Abstract | | |
| | 1-134244 | 05/26/1989 | JP | | | Abstract | | |
| | 1-156658 | 06/20/1989 | JP | | | Abstract | | |
| | 2-62958 | 03/02/1990 | JP | | | Abstract | | |
| | 2-120655 | 05/08/1990 | JP | | | Abstract | | |
| | 2-287145 | 11/27/1990 | JP | | | Abstract | | |
| | 2-310457 | 12/26/1990 | JP (Abstract only) | | | Abstract | | |
| | 3-26956 | 02/05/1991 | JP | | | Abstract | | |
| | 3-28752 | 02/06/1991 | JP (Abstract only) | | | Abstract | | |
| | 3-202764 | 09/04/1991 | JP | | | Abstract | | |
| | 5-72171 | 03/23/1993 | JP | | | Abstract | | |
| | 5-196595 | 08/06/1993 | JP | | | Abstract | | |
| MN | 6-190050 | 07/12/1994 | JP (Abstract only) | | | | | |

EXAMINER

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*Substitute Disclosure Statement Form (PTO-1449)

FORM 1449*

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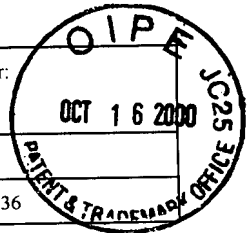
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| | | | | | | | |
|-------------|------------|--------------------|--|--|--|----------|--|
| 7-55757 A | 03/03/1995 | JP (Abstract only) | | | | | |
| 7-72585 | 03/17/1995 | JP | | | | Abstract | |
| 8-285815 A | 11/01/1996 | JP (Abstract only) | | | | | |
| 8-285814 A | 11/01/1996 | JP (Abstract only) | | | | | |
| 9-21778 A | 01/21/1997 | JP | | | | X | |
| 9-285459 A | 11/04/1997 | JP (Abstract only) | | | | | |
| 9-101280 A | 04/15/1997 | JP (Abstract only) | | | | | |
| 10-170471 A | 06/26/1998 | JP (Abstract only) | | | | | |
| WO 85/05119 | 11/21/1985 | PCT | | | | Abstract | |

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FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|--------------|------------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| mn | WO 89/08713 | 09/21/1989 | PCT | | | X | |
| | WO 90/05300 | 05/17/1990 | PCT | | | X | |
| | WO 90/05910 | 05/31/1990 | PCT | | | X | |
| | WO 91/01680 | 02/21/1991 | PCT | | | X | |
| | WO 91/04704 | 04/18/1991 | PCT | | | Abstract | |
| | WO 91/15993 | 10/31/1991 | PCT | | | X | |
| | WO 92/13271 | 08/06/1992 | PCT | | | X | |
| | WO 94/20602 | 09/15/1994 | PCT | | | X | |
| | WO 94/27140 | 11/24/1994 | PCT | | | X | |
| | WO 96/30431 | 10/03/1996 | PCT | | | X | |
| | WO 97/02847 | 01/30/1997 | PCT | | | Abstract | |
| | WO 97/19344 | 05/29/1997 | PCT | | | X | |
| | WO 97/42882 | 11/20/1997 | PCT | | | X | |
| | WO 97/42883 | 11/20/1997 | PCT | | | X | |
| | WO 97/42886 | 11/20/1997 | PCT | | | X | |
| vn | WO 97/42888 | 11/20/1997 | PCT | | | X | |
| | WO 97/43962 | 11/27/1997 | PCT | | | X | |
| vn | 1281988 A1 | 01/07/1987 | SU | | | Abstract | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| mn | Abruña, H. D. et al., "Rectifying Interfaces Using Two-Layer Films of Electrochemically Polymerized Vinylpyridine and Vinylbipyridine Complexes of Ruthenium and Iron on Electrodes," <i>J. Am. Chem. Soc.</i> , 103 (1):1-5 (January 14, 1981). |
| | Albery, W. J. et al., "Amperometric enzyme electrodes. Part II. Conducting salts as electrode materials for the oxidation of glucose oxidase," <i>J. Electroanal. Chem. Interfacial Electrochem.</i> , 194 (2) (1 page - Abstract only) (1985). |
| | Albery, W. J. et al., "Amperometric Enzyme Electrodes," <i>Phil. Trans. R. Soc. Lond.</i> B316 :107-119 (1987). |
| | Alcock, S. J. et al., "Continuous Analyte Monitoring to Aid Clinical Practice," <i>IEEE Engineering in Medicine and Biology</i> , 319-325 (1994). |
| | Anderson, L. B. et al., "Thin-Layer Electrochemistry: Steady-State Methods of Studying Rate Processes," <i>J. Electroanal. Chem.</i> , 10 :295-395 (1965). |
| vn | Bartlett, P. N. et al., "Covalent Binding of Electron Relays to Glucose Oxidation," <i>J. Chem. Soc. Chem. Commun.</i> , 1603-1604 (1987). |

EXAMINER

DATE CONSIDERED

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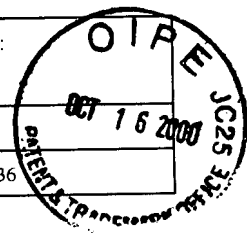
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

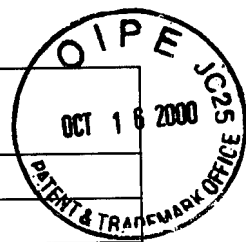
| | | |
|----|--|---|
| mu | | Bartlett, P. N. et al., "Modification of glucose oxidase by tetrathiafulvalene," <i>J. Chem. Soc., Chem. Commun.</i> , 16 (1 page - Abstract only) (1990). |
| | | Bartlett, P. N. et al., "Strategies for the Development of Amperometric Enzyme Electrodes," <i>Biosensors</i> , 3 :359-379 (1987/88). |
| | | Bindra, D.S. et al., "Design and in Vitro Studies of a Needle-Type Glucose Sensor for Subcutaneous Monitoring", <i>Anal. Chem.</i> , 63 (17):1692-1696 (September 1, 1991). |
| | | Bobbioni-Harsch, E. et al., "Lifespan of subcutaneous glucose sensors and their performances during dynamic glycaemia changes in rats," <i>J. Biomed. Eng.</i> 15 :457-463 (1993). |
| | | Brandt, J. et al., "Covalent attachment of proteins to polysaccharide carriers by means of benzoquinone," <i>Biochim. Biophys. Acta</i> , 386 (1 (1 page Abstract only) (1975). |
| | | Brownlee, M. et al., "A Glucose-Controlled Insulin-Delivery System: Semisynthetic Insulin Bound to Lectin", <i>Science</i> , 206 (4423):1190-1191 (December 7, 1979). |
| | | Cass, A.E.G. et al., "Ferricinium Ion As An Electron Acceptor for Oxido-Reductases," <i>J. Electroanal. Chem.</i> , 190 :117-127 (1985). |
| | | Cass, A.E.G. et al., "Ferrocene-Mediated Enzyme Electrode for Amperometric Determination of Glucose", <i>Anal. Chem.</i> , 56 (4):667-671 (April 1984). |
| | | Castner, J. F. et al., "Mass Transport and Reaction Kinetic Parameters Determined Electrochemically for Immobilized Glucose Oxidase," <i>Biochemistry</i> , 23 (10):2203-2210 (1984). |
| | | Claremont, D.J. et al., "Biosensors for Continuous In Vivo Glucose Monitoring", <i>IEEE Engineering in Medicine and Biology Society 10th Annual International Conference</i> , New Orleans, Louisiana, 3 pgs. (November 4-7, 1988). |
| | | Clark, L.C. et al., "Differential Anodic Enzyme Polarography for the Measurement of Glucose", <i>Oxygen Transport to Tissue: Instrumentation, Methods, and Physiology</i> , 127-132 (1973). |
| | | Clark, L.C., Jr. et al., "Electrode Systems for Continuous Monitoring in Cardiovascular Surgery," <i>Annals New York Academy of Sciences</i> , pp. 29-45 (1962). |
| | | Clark, L.C. et al., "Long-term Stability of Electroenzymatic Glucose Sensors Implanted in Mice," <i>Trans. Am. Soc. Artif. Intern. Organs</i> , XXXIV :259-265 (1988). |
| | | Clarke, W. L., et al., "Evaluating Clinical Accuracy of Systems for Self-Monitoring of Blood Glucose," <i>Diabetes Care</i> , 10 (5):622-628 (September-October 1987). |
| | | Csöregi, E. et al., "Design, Characterization, and One-Point in Vivo Calibration of a Subcutaneously Implanted Glucose Electrode," <i>Anal. Chem.</i> 66 (19):3131-3138 (October 1, 1994). |
| | | Csöregi, E. et al., "Design and Optimization of a Selective Subcutaneously Implantable Glucose Electrode Based on "Wired" Glucose Oxidase," <i>Anal. Chem.</i> 67 (7):1240-1244 (April 1, 1995). |
| | | Csöregi, E. et al., "On-Line Glucose Monitoring by Using Microdialysis Sampling and Amperometric Detection Based on "Wired" Glucose Oxidase in Carbon Paste," <i>Mikrochim. Acta</i> . 121 :31-40 (1995). |
| | | Davis, G., "Electrochemical Techniques for the Development of Amperometric Biosensors", <i>Biosensors</i> , 1 :161-178 (1985). |
| | | Degani, Y. et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 1. Electron Transfer from Glucose Oxidase to Metal Electrodes via Electron Relays, Bound Covalently to the Enzyme," <i>J. Phys. Chem.</i> , 91 (6):1285-1289 (1987). |
| | | Degani, Y. et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 2. Methods for Bonding Electron-Transfer Relays to Glucose Oxidase and D-Amino-Acid Oxidase," <i>J. Am. Chem. Soc.</i> , 110 (8):2615-2620 (1988). |

EXAMINER

DATE CONSIDERED

12/12/01

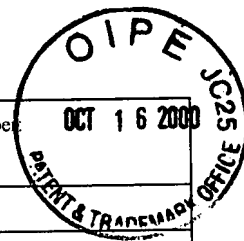
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| | | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|--|--|---|
| AM | | Degani, Y. et al., "Electrical Communication between Redox Centers of Glucose Oxidase and Electrodes via Electrostatically and Covalently Bound Redox Polymers," <i>J. Am. Chem. Soc.</i> , 111 :2357-2358 (1989). |
| | | Denisevich, P. et al., "Unidirectional Current Flow and Charge State Trapping at Redox Polymer Interfaces on Bilayer Electrodes: Principles, Experimental Demonstration, and Theory," <i>J. Am. Chem. Soc.</i> , 103 (16):4727-4737 (1981). |
| | | Dicks, J. M., "Ferrocene modified polypyrrole with immobilised glucose oxidase and its application in amperometric glucose microbiosensors," <i>Ann. Biol. clin.</i> , 47 :607-619 (1989). |
| | | Engstrom, R.C., "Electrochemical Pretreatment of Glassy Carbon Electrodes", <i>Anal. Chem.</i> , 54 (13):2310-2314 (November 1982). |
| | | Engstrom, R.C. et al., "Characterization of Electrochemically Pretreated Glassy Carbon Electrodes", <i>Anal. Chem.</i> , 56 (2):136-141 (February 1984). |
| | | Ellis, C. D., "Selectivity and Directed Charge Transfer through an Electroactive Metallopolymer Film," <i>J. Am. Chem. Soc.</i> , 103 (25):7480-7483 (1981). |
| | | Feldman, B.J. et al., "Electron Transfer Kinetics at Redox Polymer/Solution Interfaces Using Microelectrodes and Twin Electrode Thin Layer Cells", <i>J. Electroanal. Chem.</i> , 194 (1):63-81 (October 10, 1985). |
| | | Fischer, H. et al., "Intramolecular Electron Transfer Mediated by 4,4'-Bipyridine and Related Bridging Groups", <i>J. Am. Chem. Soc.</i> , 98 (18):5512-5517 (September 1, 1976). |
| | | Foulds, N.C. et al., "Enzyme Entrapment in Electrically Conducting Polymers," <i>J. Chem. Soc., Faraday Trans. I.</i> , 82 :1259-1264 (1986). |
| | | Foulds, N.C. et al., "Immobilization of Glucose Oxidase in Ferrocene-Modified Pyrrole Polymers," <i>Anal. Chem.</i> , 60 (22):2473-2478 (November 15, 1988). |
| | | Frew, J.E. et al., "Electron-Transfer Biosensors", <i>Phil. Trans. R. Soc. Lond.</i> , B316 :95-106 (1987). |
| | | Gorton, L. et al., "Selective detection in flow analysis based on the combination of immobilized enzymes and chemically modified electrodes," <i>Analytica Chimica Acta.</i> , 250 :203-248 (1991). |
| | | Gregg, B. A. et al., "Cross-Linked Redox Gels Containing Glucose Oxidase for Amperometric Biosensor Applications," <i>Analytical Chemistry</i> , 62 (3):258-263 (February 1, 1990). |
| | | Gregg, B. A. et al., "Redox Polymer Films Containing Enzymes. I. A Redox-Conducting Epoxy Cement: Synthesis, Characterization, and Electrocatalytic Oxidation of Hydroquinone," <i>J. Phys. Chem.</i> , 95 (15):5970-5975 (1991). |
| | | Hale, P.D. et al., "A New Class of Amperometric Biosensor Incorporating a Polymeric Electron-Transfer Mediator," <i>J. Am. Chem. Soc.</i> , 111 (9):3482-3484 (1989). |
| | | Harrison, D.J. et al., "Characterization of Perfluorosulfonic Acid Polymer Coated Enzyme Electrodes and a Miniaturized Integrated Potentiostat for Glucose Analysis in Whole Blood", <i>Anal. Chem.</i> , 60 (19):2002-2007 (October 1, 1988). |
| | | Hawkridge, F. M. et al., "Indirect Coulometric Titration of Biological Electron Transport Components," <i>Analytical Chemistry</i> , 45 (7):1021-1027 (June 1973). |
| | | Heller, A., "Amperometric biosensors based on three-dimensional hydrogel-forming epoxy networks," <i>Sensors and Actuators B</i> , 13-14 :180-183 (1993). |
| | | Heller, A., "Electrical Connection of Enzyme Redox Centers to Electrodes," <i>J. Phys. Chem.</i> , 96 (9):3579-3587 (1992). |
| | | Heller, A., "Electrical Wiring of Redox Enzymes," <i>Acc. Chem. Res.</i> , 23 (5):129-134 (1990). |
| AN | | Ianniello, R.M. et al. "Immobilized Enzyme Chemically Modified Electrode as an Amperometric Sensor", <i>Anal. Chem.</i> , 53 (13):2090-2095 (November 1981). |

| | |
|---|---------------------------------|
| EXAMINER <i>AN</i> | DATE CONSIDERED <i>12/15/01</i> |
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|---|--------------------------------|-----------------------------------|
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| | Filing Date: 07/10/2000 | Group Art Unit: 3736 |

| | |
|---|---|
| MM | Ianniello, R.M. et al., "Differential Pulse Voltammetric Study of Direct Electron Transfer in Glucose Oxidase Chemically Modified Graphite Electrodes", <i>Anal. Chem.</i> , 54 (7):1098-1101 (June 1981). |
| | Ikeda, T. et al., "Glucose oxidase-immobilized benzoquinone-carbon paste electrode as a glucose sensor," <i>Agric. Biol. Chem.</i> , 49 (2) (1 page - Abstract only) (1985). |
| | Ikeda, T. et al., "Kinetics of Outer-Sphere Electron Transfers Between Metal Complexes in Solutions and Polymeric Films on Modified Electrodes", <i>J. Am. Chem. Soc.</i> , 103 (25):7422-7425 (December 16, 1981). |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | |
| | Johnson, J. M. et al., "Potential-Dependent Enzymatic Activity in an Enzyme Thin-Layer Cell," <i>Anal. Chem.</i> 54 :1377-1383 (1982). |
| | Johnson, K.W., "Reproducible Electrodeposition of Biomolecules for the Fabrication of Miniature Electroenzymatic Biosensors", <i>Sensors and Actuators B Chemical</i> , B5 :85-89 (1991). |
| | Jönsson, G. et al., "An Amperometric Glucose Sensor Made by Modification of a Graphite Electrode Surface With Immobilized Glucose Oxidase and Adsorbed Mediator", <i>Biosensors</i> , 1 :355-368 (1985). |
| | Josowicz, M. et al., "Electrochemical Pretreatment of Thin Film Platinum Electrodes", <i>J. Electrochem. Soc.</i> , 135 (1):112-115 (January 1988). |
| | Katakis, I. et al., "Electrostatic Control of the Electron Transfer Enabling Binding of Recombinant Glucose Oxidase and Redox Polyelectrolytes," <i>J. Am. Chem. Soc.</i> , 116 (8):3617-3618 (1994). |
| | Katakis, I. et al., "L- α -Glycerophosphate and L-Lactate Electrodes Based on the Electrochemical "Wiring" of Oxidases," <i>Analytical Chemistry</i> , 64 (9):1008-1013 (May 1, 1992). |
| | Kenausis, G. et al., "'Wiring' of glucose oxidase and lactate oxidase within a hydrogel made with poly(vinyl pyridine) complexed with [Os(4,4'-dimethoxy-2,2'-bipyridine) ₂ Cl] ⁺² ," <i>J. Chem. Soc., Faraday Trans.</i> , 92 (20):4131-4136 (1996). |
| | Koudelka, M. et al., "In-Vivo Behaviour of Hypodermically Implanted Microfabricated Glucose Sensors", <i>Biosensors & Bioelectronics</i> , 6 (1):31-36 (1991). |
| | Kulys, J. et al., "Mediatorless peroxidase electrode and preparation of bienzyme sensors," <i>Bioelectrochemistry and Bioenergetics</i> , 24 :305-311 (1990). |
| | Lager, W. et al., "Implantable Electrocatalytic Glucose Sensor," <i>Horm. Metab. Res.</i> , 26 :526-530 (November 1994). |
| | Lindner, E. et al. "Flexible (Kapton-Based) Microsensor Arrays of High Stability for Cardiovascular Applications", <i>J. Chem. Soc. Faraday Trans.</i> , 89 (2):361-367 (January 21, 1993). |
| | Maidan, R. et al., "Elimination of Electrooxidizable Interferant-Produced Currents in Amperometric Biosensors," <i>Analytical Chemistry</i> , 64 (23):2889-2896 (December 1, 1992). |
| | Mastrototaro, J.J. et al., "An Electroenzymatic Glucose Sensor Fabricated on a Flexible Substrate", <i>Sensors and Biosensors B Chemical</i> , B5 :139-144 (1991). |
| | McNeil, C. J. et al., "Thermostable Reduced Nicotinamide Adenine Dinucleotide Oxidase: Application to Amperometric Enzyme Assay," <i>Anal. Chem.</i> , 61 (1):25-29 (January 1, 1989). |
| | Miyawaki, O. et al., "Electrochemical and Glucose Oxidase Coenzyme Activity of Flavin Adenine Dinucleotide Covalently Attached to Glassy Carbon at the Adenine Amino Group", <i>Biochimica et Biophysica Acta</i> , 838 :60-68 (1985). |
| | Moatti-Sirat, D. et al., "Evaluating <i>in vitro</i> and <i>in vivo</i> the interference of ascorbate and acetaminophen on glucose detection by a needle-type glucose sensor," <i>Biosensors & Bioelectronics</i> , 7 (5):345-352 (1992). |
| NA | Moatti-Sirat, D. et al., "Reduction of acetaminophen interference in glucose sensors by a composite Nafion membrane: demonstration in rats and man," <i>Diabetologia</i> , 37 (6) (1 page - Abstract only) (June 1994). |

| | |
|---|---------------------------------|
| EXAMINER <i>[Signature]</i> | DATE CONSIDERED <i>12/12/01</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | |

FORM 1449*

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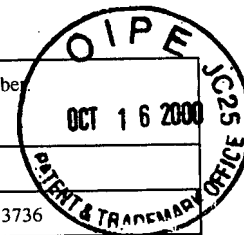
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

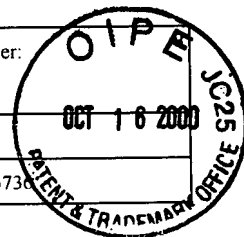
| | |
|----|--|
| NN | Moatti-Sirat, D. et al., "Towards continuous glucose monitoring: in vivo evaluation of a miniaturized glucose sensor implanted for several days in rat subcutaneous tissue," <i>Diabetologia</i> , 35(3) (1 page - Abstract only) (March 1992). |
| | Nagy, G. et al., "A New Type of Enzyme Electrode: The Ascorbic Acid Eliminator Electrode," <i>Life Sciences</i> , 31(23):2611-2616 (1982). |
| | Nakamura, S. et al., "Effect of Periodate Oxidation on the Structure and Properties of Glucose Oxidase," <i>Biochimica et Biophysica Acta</i> , 445:294-308 (1976). |
| | Narazimhan, K. et al., "p-Benzoquinone activation of metal oxide electrodes for attachment of enzymes," <i>Enzyme Microb. Technol.</i> , 7(6) (1 page - Abstract only) (1985). |
| | Ohara, T. J. et al., "Glucose Electrodes Based on Cross-Linked [Os(bpy) ₂ Cl] ⁺²⁺ Complexed Poly(1-vinylimadazole) Films," <i>Analytical Chemistry</i> , 65(23):3512-3516 (December 1, 1993). |
| | Ohara, T. J., "Osmium Bipyridyl Redox Polymers Used in Enzyme Electrodes," <i>Platinum Metals Rev.</i> , 39(2):54-62 (April 1995). |
| | Ohara, T. J. et al., "'Wired' Enzyme Electrodes for Amperometric Determination of Glucose or Lactate in the Presence of Interfering Substances," <i>Analytical Chemistry</i> , 66(15):2451-2457 (August 1, 1994). |
| | Olivier, C. N. et al., "In vivo Measurement of Carbon Dioxide Tension with a Miniature Electrode," <i>Pflügers Arch.</i> 373:269-272 (1978). |
| | Paddock, R. et al., "Electrocatalytic reduction of hydrogen peroxide via direct electron transfer from pyrolytic graphite electrodes to irreversibly adsorbed cytochrome c peroxidase," <i>J. Electroanal. Chem.</i> , 260:487-494 (1989). |
| | Palleschi, G. et al., "A Study of Interferences in Glucose Measurements in Blood by Hydrogen Peroxide Based Glucose Probes," <i>Anal. Biochem.</i> , 159:114-121 (1986). |
| | Pankratov, I. et al., "Sol-gel derived renewable-surface biosensors," <i>Journal of Electroanalytical Chemistry</i> , 393:35-41 (1995). |
| | Pathak, C. P. et al., "Rapid Photopolymerization of Immunoprotective Gels in Contact with Cells and Tissue," <i>J. Am. Chem. Soc.</i> , 114(21):8311-8312 (1992). |
| | Pickup, J., "Developing glucose sensors for in vivo use," <i>Tibtech</i> , 11: 285-289 (July 1993). |
| | Pickup, J. C. et al., "In vivo molecular sensing in diabetes mellitus: an implantable glucose sensor with direct electron transfer," <i>Diabetologia</i> , 32(3):213-217 (1989). |
| | Pickup, J. et al., "Potentially-implantable, amperometric glucose sensors with mediated electron transfer: improving the operating stability," <i>Biosensors</i> , 4(2) (1 page - Abstract only) (1989). |
| ✓ | Pishko, M. V. et al., "Amperometric Glucose Microelectrodes Prepared Through Immobilization of Glucose Oxidase in Redox Hydrogels," <i>Anal. Chem.</i> , 63(20):2268-2272 (October 15, 1991). |
| | Poitout, V. et al., "A glucose monitoring system for on line estimation in man of blood glucose concentration using a miniaturized glucose sensor implanted in the subcutaneous tissue and a wearable control unit," <i>Diabetologia</i> , 36(7) (1 page - Abstract only) (July 1993). |
| | Poitout, V. et al., "Calibration in dogs of a subcutaneous miniaturized glucose sensor using a glucose meter for blood glucose determination," <i>Biosensors & Bioelectronics</i> , 7:587-592 (1992). |
| ✓ | Poitout, V. et al., "In vitro and in vivo evaluation in dogs of a miniaturized glucose sensor," <i>ASAI Transactions</i> , 37(3) (1 page - Abstract only) (July-September 1991). |
| | Pollak, A. et al., "Enzyme Immobilization by Condensation Copolymerization into Cross-Linked Polyacrylamide Gels," <i>J. Am. Chem. Soc.</i> , 102(20):6324-6336 (1980). |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

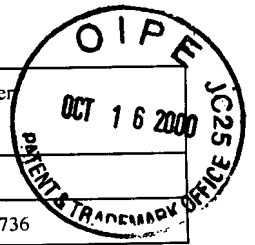
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| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 12008.20USC1 | Application Number: 09/613,604 |
| | Applicant: SAY ET AL. | |
| | Filing Date: 07/10/2000 | Group Art Unit: 3738 |



| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|--|--|---|
| NN | | Reach, G. et al., "Can Continuous Glucose Monitoring Be Used for the Treatment of Diabetes?" <i>Analytical Chemistry</i> , 64 (6):381-386 (March 15, 1992). |
| | | Rebrin, K. et al., "Automated Feedback Control of Subcutaneous Glucose Concentration in Diabetic Dogs", <i>Diabetologia</i> , 32 (8):573-576 (August 1989). |
| | | Sakakida, M. et al., "Ferrocene-mediate needle-type glucose sensor covered with newly designed biocompatible membrane," <i>Sensors and Actuators B</i> , 13-14 :319-322 (1993). |
| | | Samuels, G. J. et al., "An Electrode-Supported Oxidation Catalyst Based on Ruthenium (IV). pH "Encapsulation" in a Polymer Film," <i>J. Am. Chem. Soc.</i> , 103 (2):307-312 (1981). |
| | | Sasso, S. V. et al., "Electropolymerized 1,2-Diaminobenzene as a Means to Prevent Interferences and Fouling and to Stabilize Immobilized Enzyme in Electrochemical Biosensors", <i>Anal. Chem.</i> , 62 (11):1111-1117 (June 1, 1990). |
| | | Scheller, F. et al., "Enzyme electrodes and their application," <i>Phil. Trans. R. Soc. Lond.</i> , B 316 :85-94 (1987). |
| | | Schmehl, R.H. et al., "The Effect of Redox Site Concentration on the Rate of Mediated Oxidation of Solution Substrates by a Redox Copolymer Film", <i>J. Electroanal. Chem.</i> , 152 :97-109 (August 25, 1983). |
| | | Shichiri, M. et al., "Glycaemic Control in Pancreatetomized Dogs with a Wearable Artificial Endocrine Pancreas", <i>Diabetologia</i> , 24 (3):179-184 (March 1983). |
| | | Sittampalam, G. et al., "Surface-Modified Electrochemical Detector for Liquid Chromatography", <i>Anal. Chem.</i> , 55 (9):1608-1610 (August 1983). |
| | | Soegijoko, S. et al., <i>Horm. Metabl. Res., Suppl. Ser.</i> , 12 (1 page - Abstract only) (1982). |
| | | Sprules, S. D. et al., "Evaluation of a New Disposable Screen-Printed Sensor Strip for the Measurement of NADH and Its Modification to Produce a Lactate Biosensor Employing Microliter Volumes," <i>Electroanalysis</i> , 8 (6):539-543 (1996). |
| | | Sternberg, F. et al., "Calibration Problems of Subcutaneous Glucosensors when Applied "In-Situ" in Man," <i>Horm. metabl. Res.</i> , 26 :524-525 (1994). |
| | | Sternberg, R. et al., "Covalent Enzyme Coupling on Cellulose Acetate Membranes for Glucose Sensor Development," <i>Analytical Chemistry</i> , 60 (24):2781-2786 (December 15, 1988). |
| | | Sternberg, R. et al., "Study and Development of Multilayer Needle-type Enzyme-based Glucose Microsensors," <i>Biosensors</i> , 4 :27-40 (1988). |
| | | Suekane, M., "Immobilization of glucose isomerase," <i>Zeitschrift für Allgemeine Mikrobiologie</i> , 22 (8):565-576 (1982). |
| | | Tajima, S. et al., "Simultaneous Determination of Glucose and 1,5-Anhydroglucitol", <i>Chemical Abstracts</i> , 111 (25):394 111:228556g (December 18, 1989). |
| | | Tarasevich, M.R. "Bioelectrocatalysis", <i>Comprehensive Treatise of Electrochemistry</i> , 10 (Ch. 4):231-295 (1985). |
| | | Tatsuma, T. et al., "Enzyme Monolayer- and Bilayer-Modified Tin Oxide Electrodes for the Determination of Hydrogen Peroxide and Glucose," <i>Anal. Chem.</i> , 61 (21):2352-2355 (November 1, 1989). |
| | | Taylor, C. et al., "'Wiring' of glucose oxidase within a hydrogel made with polyvinyl imidazole complexed with [(Os-4,4'-dimethoxy-2,2'-bipyridine)C1] ⁺² ," <i>Journal of Electroanalytical Chemistry</i> , 396 :511-515 (1995). |
| 4 | | Trojanowicz, M. et al., "Enzyme Entrapped Polypyrrole Modified Electrode for Flow-Injection Determination of Glucose," <i>Biosensors & Bioelectronics</i> , 5 :149-156 (1990). |
| NN | | Turner, A.P.F. et al., "Diabetes Mellitus: Biosensors for Research and Management", <i>Biosensors</i> , 1 :85-115 (1985). |

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| EXAMINER <i>nn - [signature]</i> | DATE CONSIDERED <i>12/12/01</i> |
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Filing Date: 07/10/2000

Group Art Unit: 3736

| | | |
|--|---|--|
| <p>Turner, R. F. B. et al., "A Biocompatible Enzyme Electrode for Continuous <i>in vivo</i> Glucose Monitoring in Whole Blood," <i>Sensors and Actuators</i>, B1(1-6):561-564 (January 1990).</p> <p>Tuzhi, P. et al., "Constant Potential Pretreatment of Carbon Fiber Electrodes for In Vivo Electrochemistry", <i>Analytical Letters</i>, 24(6):935-945 (1991).</p> <p>Umaha, M., "Protein-Modified Electrochemically Active Biomaterial Surface," <i>U.S. Army Research Office Report</i>, (12 pages) (December 1988).</p> <p>Urban, G. et al., "Miniaturized Thin-Film Biosensors Using Covalently Immobilized Glucose Oxidase", <i>Biosensors & Bioelectronics</i>, 6(7):555-562 (1991).</p> <p>Velho, G. et al., "In Vitro and In Vivo Stability of Electrode Potentials in Needle-Type Glucose Sensors", <i>Diabetes</i>, 38(2):164-171 (February 1989).</p> | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | |
| | Velho, G. et al., "Strategies for calibrating a subcutaneous glucose sensor," <i>Biomed. Biochim. Acta</i> , 48 (11/12):957-964 (1989). | |
| | Von Woedtke, T. et al., "In Situ Calibration of Implanted Electrochemical Glucose Sensors," <i>Biomed. Biochim. Acta</i> , 48 (11/12):943-952 (1989). | |
| | Vreeke, M. S. et al., "Chapter 15: Hydrogen Peroxide Electrodes Based on Electrical Connection of Redox Centers of Various Peroxidases to Electrodes through a Three-Dimensional Electron-Relaying Polymer Network," <i>Diagnostic Biosensor Polymers</i> , 7 pgs. (July 26, 1993). | |
| | Vreeke, M. et al., "Hydrogen Peroxide and β -Nicotinamide Adenine Dinucleotide Sensing Amperometric Electrodes Based on Electrical Connection of Horseradish Peroxidase Redox Centers to Electrodes through a Three-Dimensional Electron Relaying Polymer Network," <i>Analytical Chemistry</i> , 64 (24):3084-3090 (December 15, 1992). | |
| | Wang, J. et al., "Activation of Glassy Carbon Electrodes by Alternating Current Electrochemical Treatment", <i>Analytica Chimica Acta</i> , 167 :325-334 (January 1985). | |
| | Wang, J. et al., "Amperometric biosensing of organic peroxides with peroxidase-modified electrodes," <i>Analytica Chimica Acta</i> , 254 :81-88 (1991). | |
| | Wang, D. L. et al., "Miniaturized Flexible Amperometric Lactate Probe," <i>Analytical Chemistry</i> , 65 (8):1069-1073 (April 15, 1993). | |
| | Wang, J. et al., "Screen-Printable Sol-Gel Enzyme-Containing Carbon Inks," <i>Analytical Chemistry</i> , 68 (15):2705-2708 (August 1, 1996). | |
| | Wang, J. et al., "Sol-Gel-Derived Metal-Dispersed Carbon Composite Amperometric Biosensors," <i>Electroanalysis</i> , 9 (1):52-55 (1997). | |
| | Williams, D.L. et al., "Electrochemical-Enzymatic Analysis of Blood Glucose and Lactate", <i>Anal. Chem.</i> , 42 (1):118-121 (January 1970). | |
| | Wilson, G. S. et al., "Progress toward the Development of an Implantable Sensor for Glucose," <i>Clinical Chemistry</i> , 38 (9):1613-1617 (1992). | |
| | Yabuki, S. et al., "Electro-conductive Enzyme Membrane," <i>J. Chem. Soc. Chem. Commun</i> , 945-946 (1989). | |
| | Yang, L. et al., "Determination of Oxidase Enzyme Substrates Using Cross-Flow Thin-Layer Amperometry," <i>Electroanalysis</i> , 8 (8-9):716-721 (1996). | |
| | Yao, S.J. et al., "The Interference of Ascorbate and Urea in Low-Potential Electrochemical Glucose Sensing", <i>Proceedings of the Twelfth Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 12 (2):487-489 (November 1-4, 1990). | |
| | Yao, T. et al., "A Chemically-Modified Enzyme Membrane Electrode As An Amperometric Glucose Sensor," <i>Analytica Chimica Acta</i> , 148 :27-33 (1983). | |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

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Group Art Unit: 3736

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|----|--|---|
| | | 148:27-33 (1983). |
| NN | | Ye, L. et al., "High Current Density "Wired" Quinoprotein Glucose Dehydrogenase Electrode," <i>Anal. Chem.</i> , 65(3):238-241 (February 1, 1993). |
| | | Yildiz, A. et al., "Evaluation of an Improved Thin-Layer Electrode," <i>Analytical Chemistry</i> , 40(70):1018-1024 (June 1968). |
| | | Zamzow, K. et al., "New Wearable Continuous Blood Glucose Monitor (BGM) and Artificial Pancreas (AP), <i>Diabetes</i> , 39:5A(20) (May 1990). |
| NN | | Zhang, Y. et al., "Application of cell culture toxicity tests to the development of implantable biosensors," <i>Biosensors & Bioelectronics</i> , 6:653-661 (1991). |
| NN | | Zhang, Y. et al., "Elimination of the Acetaminophen Interference in an Implantable Glucose Sensor," <i>Anal. Chem.</i> 66:1183-1188 (1994) |

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12/12/01

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